

List of Foreign Countries for Consideration  
in Filing for Foreign Patent Protection

Consideration should be given to the following factors:

1. Does the invention relate to a product, a process or both product and process. Where PM has subsidiaries which manufacture our products, it may be advantageous to file for both product and process protection. Where we have licenses, it may be worthwhile to file for only product coverage and omit process coverage unless the process appears to be of significant commercial value.
2. How easily can the invention be policed or detected in order to determine whether a patent is infringed. If the invention represents a subject such as a new flavor or a process improvement, can we detect the use of this invention by examining our competitor's product.

<u>Group I</u> <u>Subsidiaries</u>	<u>Group II</u> <u>Licenseses</u> <u>(Present and Future*)</u>	<u>Group III</u> <u>Other Major</u> <u>Export Markets</u>
Canada		
Switzerland	Italy	Sweden
Nigeria	Finland	Norway
Great Britain	Austria	Lebanon
Netherlands	Yugoslavia	Israel
West Germany	Greece	Liberia
Belgium	Bulgaria*	Morocco
Canary Islands (Spain)	Russia*	France
Puerto Rico	Panama	Uruguay
Mexico	Bolivia	Paraguay
Dominican Republic	Aruba	Central American
Guatemala	Haiti	countries
Venezuela	Colombia*	serviced from
Argentina	Ecuador*	Guatemala
	Bolivia*	
	China*	Brazil
	Korea*	
	Malaysia	
Australia	Philippines	
India	Taiwan	
New Zealand	Hong Kong	
Pakistan	Japan	
Indonesia	Iran	
Belgium	Foreign Countries Where Philip	
Guatemala	Morris Has Chewing Gum Activity	
Great Britain	Foreign Countries Where Philip Morris	
Belgium	Has Razor Blade Activity	

March 16, 1972

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## RESEARCH AND DEVELOPMENT FOREIGN PATENT REVIEW

3/16/72

<u>Helf. No.</u>	<u>Subject</u>	<u>Inventor</u>	<u>Recommendations</u>
(1) 582-246	A coherent reconstituted tobacco product comprised of ground tobacco waste, a mixture of gelatinized tobacco/tobacco fibers, adhesive, additives, and moisture in specific amts.	Sproull et al	Abandon
(2) 582-297	Preparation of flavoring and aromatic materials by treatment of tobacco with lower alkyl alcohols in presence of mineral acid catalyst.	Hind et al	Abandon
(3) 582-326	Method of forming cigarette filter from strip sheet material including carbon impregnated paper.	E. Schaaf	Maintain
(4) 582-327 CIP	Method of forming a sheet tobacco product from stems, fines and/or stalkes of increased wet strength.	A. Clarke	Abandon
(5) 582-335	Plastic thin-walled disposable cigarette container, the "Sport Pack"	Wiley et al	Maintain
(6) 582-338	Selective extraction of nicotine and other alkaloids from tobacco without removing other natural desirable components.	J. Hind	Maintain
(7) 582-339	Filter having activated carbon secured therein by a non-masking adhesive comprising a mixture of polyvinylpyrrolidone and polyhydric alcohol.	Seligman et al	Maintain

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(8)	582-362	Electret and Method for Its Manufacture	Grandine et al	Abandon
(9)	582-362 CIP	Improved Method for the Manufacture of Electrets and Novel Electrets Produced Thereby	Baxt et al	Abandon
(10)	582-373/5	A composition of matter comprising smoking tobacco and a tri-o-thymotide inclusion complex which will release flavorants into tobacco smoke upon pyrolysis.	Bavley et al	Abandon
(11)	582-379	A tobacco product containing flavorants which are reaction products of a lower alcohol and the saccharides or organic acids native to tobacco.	Hind et al	Maintain
(12)	582-380/ 414	A reconstituted tobacco product formed by treating tobacco plant parts with solution of DAP.	Hind et al	Maintain
(13)	582-384	The addition of Diels-Alder adducts as nonvolatile components to tobacco to give flavorant upon pyrolysis.	Bavley et al	Abandon
(14)	582-395	A method for applying a polyethylene coating to a cutting blade.	Creamer et al	Check with ASR
(15)	582-397	A filter for tobacco containing a flavor-imparting amount of a flavorant selected from the group consisting of oil of anise, star anise oil, fennel oil, anethole, methyl chavicol and anisic acid	Seligman et al	Maintain

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| (16) | 582-398 | A filter for tobacco smoke comprising carbon and a flavorant such as borneol or geranyl acetate.  | Seligman et al | Maintain       |
| (17) | 582-409 | A tobacco product into which non-volatile dimers of cinnamic acid or derivatives have been incorporated.  | Bavley et al   | Maintain       |
| (18) | 582-413 | A method for applying a polyethylene resin coating to a cutting blade which comprises applying a polyethylene resin and a free-radical generator to a blade and thereafter heating the blade. | L. Weissbecker | Check with ASR |
| (19) | 582-417 | Razor blade edges are coated with "Teflon" type resin containing an organic peroxide or other free radical generator and are heat-cured.  | L. Weissbecker | Check with ASR |
| (20) | 582-418 | Reconstituted tobacco of improved tensile strength, elasticity by mixing ground tobacco with water and enzyme which will degrade cellulose hemicellulose, and pectin.                         | Bavley et al   | Maintain       |
| (21) | 582-419 | A tobacco product with added polyisoprenoid alcohol to give milder smoke, with citrus/flowery note.   | Grossman et al | Maintain       |

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| (22) | 582-421  | A continuous process for selective removal and recovery of alkaloid from tobacco, based upon nicotine/salt brine relationship vs. temperature.   | Staley et al   | Maintain       |
| (23) | 582-425  | In the process for treating razor blades with a coating of polytetrafluoroethylene the improvement comprising maintaining the blades in a reducing atmosphere during the baking operation. | Creamer        | Check with ASR |
| (24) | 582-429A | Cigarette filter comprising a sorbent section and a flavored section in parallel   | Seligman et al | Maintain       |
| (25) | 582-429B | Filter comprising a sorbent section and a flavored section in series; cigarette with tobacco adjacent to sorbent section.  | Seligman et al | Maintain       |
| (26) | 582-436  | A process by which an embossed satiny effect is obtained by coating a substrate with a thermoplastic material and then applying controlled heat to the coating.                            | S. Rosen       | Abandon        |
| (27) | 582-438  | A plastic cigarette pack with cover in a form not now used in the "Sport Pack" having been replaced by the hinged cover of U.S. #3,391,780.  | Wiley et al    | Abandon        |

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| (28) | 582-439 | A cigarette filter into which has been incorporated a stable flavorant (inclusion complex) which is released by displacement as the attached filter rod is smoked.                         | Bavley et al    | Abandon  |
| (29) | 582-440 | Nicotine/ion exchange resin in filter to supplement nicotine in smoke.   | Bavley et al    | Maintain |
| (30) | 582-447 | Smoking compositions which have as additives non-volatile carbonates which release flavorants into the smoke when the tobacco product is burned.   | Bavley et al    | Maintain |
| (31) | 582-453 | A practical process for the production of large quantities of electrets.   | L. Stewart, Jr. | Abandon  |
| (32) | 582-454 | The TFP process, whereby paper-making techniques are applied to reconstituting tobacco, in combination with recirculation of the process water (white water) to conserve tobacco solubles. | Michels et al   | Maintain |
| (33) | 582-455 | Adding to a tobacco product 0.025% to 5% on tobacco weight of pyrolysis products of a mixture of an oxygenated terpenoid and a terpene.  | Bavley et al    | Maintain |

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| (34) | 582-456        | An apparatus for administering to individuals subjective sampling tests which involve an exercise of sensory judgment.   | W. L. Dunn, Jr. | Abandon  |
| (35) | 582-464        | An improved embossing roller which eliminates misregistration of the die element.  | J. Staley       | Maintain |
| (36) | 582-468        | Filter comprises activated carbon particles bonded with polyalkylene oxide (e.g. "Polyox") into a porous plug.   | Westbrooke etal | Maintain |
| (37) | 582-470<br>A&B | As tobacco additives, alkali or alkaline earth metal carbonates, bicarbonates, or bisulfites reduce harshness and improve smoke flavor.                                    | W. Danker       | Maintain |
| (38) | 582-471        | An improved package ("Wickless Package") wherein transmission rate of water vapor and of volatile materials is greatly reduced.  | J. Staley       | Maintain |
| (39) | 582-488A       | Stems containing four to 23% moisture are exposed for 10 sec. to 20 min. to a radiant energy source at 140-170° C at a reduced pressure of about 20 mm to cause expansion. | R. de la Burde  | Maintain |
| (40) | 582-488D       | Tobacco stems puffed by known means are sliced parallel to the stem axis.  | R. de la Burde  | Maintain |

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| (41) | 582-488E        | Puffed tobacco stems are moistened and passed through heated rolls to separate mesophyll, epidermis, and xylem to preserve the puffed state.                                    | R. de la Burde<br>et al | Maintain |
| (42) | 582-488F<br>CIP | The method of expanding stems which comprises placing tobacco stems in a heated gas from several sources to effect a fluidized suspension.                                      | R. de la Burde<br>et al | Maintain |
| (43) | 582-489A        | An electret has one of the faces of the sheet or other thin form of non conducting material coated with a film of conductive material, such as metal.                           | Baxt et al              | Abandon  |
| (44) | 582-489B        | A polaret has one of the faces of the sheet or other thin form of non conducting material coated with a film of conductive material such as metal.                              | Baxt et al              | Abandon  |
| (45) | 582-489C        | Two metallized electrets are adhered with the metal layers in electrical contact and lying between the non-conducting layers.   | Baxt et al              | Abandon  |
| (46) | 582-489D        | Two metallized polarets are adhered with the metal layers in electrical contact and lying between the non conducting layers.  | Baxt et al              | Abandon  |
| (47) | 582-490         | The Long Par filter of a semi-cylindrical shell parts enclosing an axially extending filter strip through which the smoke is made to pass at tight angles by means of barriers. | Thomson et al           | Maintain |

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| (48) 582-498  | The process of stressing spaced bands of a reconstituted tobacco sheet to effect a creped structure in the bands.  | O. Licis     | Maintain |
| (49) 582-505  | Method and apparatus for making the Longpar filter assembly continuously and at high speed.  | Larson et al | Maintain |
| (50) 582-509A | A designed filler is prepared using tobacco pectins as the basic film-forming ingredient to which are added minerals and optionally other ingredients such as nicotine and humectants.   | Hind et al   | Maintain |
| (51) 582-509B | Tobacco parts are extracted with water continuously recirculated over acid-form ion-exchange resin to remove the pectin salt cross-links, and then the fibers are combined with sugar, natural acids, and minerals to produce a custom-made tobacco product to specifications. | Hind et al   | Maintain |
| (52) 582-516  | For the continuous assembly of the Longpar filter, chainblock conveyors to keep the two shell halves in register as they are pressed together to form the finished product.  | Mutter at al | Maintain |

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(53) 582-528 DAP is added to the stems before  
rolling to make RKS

Hind et al

Maintain

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